

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 07/05/2017 12:53 PM
Cytometer Baseline: 04/21/2017 12:22 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123993	-1	1.66	123822	1.61
Blue	F	SSC	125000	124389	-1	3.83	124709	3.60
Blue	E	FITC	23355	22611	-4	2.63	1016	10.26
Blue	D	PE	28848	28129	-3	2.21	1015	9.69
Blue	B	PerCP-Cy5-5	47791	46523	-3	3.63	1341	16.86
Blue	A	PE-Cy7	41358	40444	-3	5.26	626	35.18
Red	C	APC	51316	50827	-1	2.68	2928	9.27
Red	A	APC-Cy7	53225	53023	-1	2.71	1102	10.97
Violet	B	V450	14473	14136	-3	3.56	676	8.89
Violet	A	V500	59973	58790	-2	3.36	2613	6.16

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19176	2.93	608	10	N/A	N/A	Pass
Blue	F	SSC	61763	2.00	542	8	N/A	N/A	Pass
Blue	E	FITC	112	38.37	542	-2	0.0206	117	Pass
Blue	D	PE	221	29.30	539	1	0.1708	277	Pass
Blue	B	PerCP-Cy5-5	209	45.04	628	-2	0.0102	107	Pass
Blue	A	PE-Cy7	70	117.49	680	-1	0.0122	18	Pass
Red	C	APC	347	26.87	589	-5	0.0212	67	Pass
Red	A	APC-Cy7	121	39.92	569	-7	0.0059	1775	Pass
Violet	B	V450	82	39.43	465	-6	0.0414	1349	Pass
Violet	A	V500	189	21.38	495	-6	0.0144	113	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.90	-31.50	0.88
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	19.16	13.27 - 19.91	N/A	N/A	31.18	31.76	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 13076

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments